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- C. CINCPAC MSG DTG 122335Z DEC 70.
- D. DIADC-5C MSG 02803 DTG 231538Z MAR 71.
- E. SAC MSG DTG 081455Z APR 71.
- 1. THE POSSIBLE USE OF COLOR FILMS IN THE NATIONAL RECONNAISSANCE
 PROGRAM (NRP) HAS BEEN CONSIDERED AND INVESTIGATED FOR SEVERAL
 YEARS. IT IS GENERALLY AGREED THAT COLOR OFFERS THE POTENTIAL
 FOR PROVIDING ADDITIONAL INFORMATION IN A PHOTOGRAPH THAT IS
 NOT FOUND IN BLACK AND WHITE IMAGES. THIS OCCURS PRIMARILY AS A
 RESULT OF ADDING /SPECTRAL" RESOLUTION, OR DIFFERENCES IN OBJECTS
 DUE TO THEIR DIFFERENT "COLORS", TO THAT OF "SPARTIAL" RESOLUTION.
 UNFORTUNATELY, THE "SPARTIAL" RESOLUTION OF PREVIOUSLY AVAILABLE
 COLOR FILMS, SUCH AS SO-121, WAS SIGNIFICANTLY LOWER THAN THAT
 OF THE BLACK AND WHITE MATERIAL. EVEN SO, ZHE
 IDEA PERSISTED THAT COLOR MIGHT PROVIDE AN ADDITIONAL DIMENSION
 TO INTELLIGENCE COLLECTION CAPABILITIES. THIS ULTIMATELY RESULTED
 IN THE DEVELOPMENT OF

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IN COLOR FILMS ARE EXPECTED IN THE NEAR FUTURE.

2. AS INDICATED IN REFERENCE A, THE IMPROVEMENTS ALREADY MADE IN COLOR MATERIALS HAVE BEEN SUFFICIENTLY GREAT THAT THE NATIONAL

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RECONNAISSANCE OFFICE (NRO) ESTABLISHED A COLOR TASK FORCE (CTF)

TO INVESTIGATE THE POTENTIAL USES OF THESE NEW FILMS IN THE NRP

AND TO DETERMINE THE IMPACT THIS MIGHT HAVE ON THE INTELLIGENCE

25X1DCOMMUNITY. THE CTF IS ATTEMPTING TO BUILD A BASE OF IMAGERY AND

INFORMATION WHICH CAN BE USED TO MAKE THESE JUDGEMENTS. TO THIS

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THE POTE	TATIAL VALUE	OF USING THE	SE NEW COLOR FIL	MS IN HIGH	
			AS IN KH MISSIO	NS, ALSO MEEDS	
5X1Go BE INVES	STIGATED. WHI	LE	COVERAGE CAN PRO	VIDE SOME	
DATA TO SU	PPORT THIS ST	UDY, THE ACQ	UISITION OF OPER	ATIONAL IMAGERY	
WOULD OBVI	OUSLY PROVIDE	THE BEST SO	URCE OF INFORMAT	ION. THE	
5X1DPOSSIBILIT	COFTNOINDIN	G C	COLOR FIL	MS IN GIANT	
				OSED IN REFERENCE	
B. THE CINC	CPAC RESPONSE	(REFERENCE	C.) INDICATED NO	OBJECTION TO	
THE USE OF	COLOR FILMS	IN THE			25X1
SINCE THE	MPACT ON THE	COLLECTION	PROCESSING/EXPLO	ITATION CYCLE	
WOULD BE MI	NIMAL COMPAR	ED TO THE PR	IMARY GS CAMERA	SYSTEMS IN	
				, DIA AUTHORIZED,	
4.				¬·	25X1
	CE D, THE USE			BLACK AND WHITE	25/(
5X1Drilms in Ti	KE S	EA GIANT SCA	LE MISSIONS, AT	THE DISCRETION	
OF SAC, AS	THE FIRST ST	EP IN OBTAIN	ING OPERATIONAL	IMAGERY FROM	
THIS PROGRA	M. REPRESENA	TIVES OF THE	MC&G COMMUNITY	HAVE ALREADY	
5X1DEXPRESSED	INTEREST IN E	VALUATING -	IMAGERY	FROM THESE	
MISSIONS F	OR THEIR PURF	oses. Howeve	R, DUE TO THE NA	TURE OF THIS	
5X1DCAMERA SYS	CEM, IMA	GERY IS NOT	REPRESENTATIVE C	F THE PRIMARY	
5X1D			F COLOR FILMS IN		25X1
		·		STEMS MUST BE	
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Particular of Particular	PAGE 5 IN 73799 CONSIDERED. THE COMPATABILITY OF	WITH THE	HAS BEEN	25X1A 25X ½ §X		
04/40	DEMONSTRATED BY SAC THROUGH DOMEST	C TEST FLIGHTS	THUS IT HOUSE			
25X1D	BE DESIRABLE TO FLY OPERATIONAL GS	MISSIONS IN SE	A USING			
25X1D	IN AT LEAST ONE SINCE C	OLLECTION REQU	IREMENTS REMAIN			
A CONTRACTOR OF THE CONTRACTOR	THE PRIMARY CONSIDERATION ON EACH G	S MISSION, A S	UITABLE MIX OF			
	COLOR AND BLACK AND WHITE FILMS MUS	T BE ESTABLISH	ED. SUCH A MIX			
	WOULD ALSO ALLOW COMPARISON OF THE	VALUE OF COLOR	VS BLACK AND			
C	WHITE IMAGERY ACQUIRED UNDER SIMILA	R CONDITIONS.	IF THE	25X1D		
And the second second	ALSO PROVES TO BE COMPATIBLE WITH A SIMILAR SERIES OF GS					
	MISSIONS SHOULD BE FLOWN USING THIS	COMBINATION.	AR SERIES OF GS	25X1D		
25X1D	4. THE EVALUATION OF IN SEVER	RAL GIANT NAIL	MISSIONS IS			
25X1D 25X1	ALSO DESIRABLE. TEST FLIGHT	S WITH THE U-2	:/IRIS II/			
e contraction	SHOW REASONABLY GOOD RESULTS	EVEN THOUGH TH	IE LENS IS NOT			
Control of the contro	FULLY COLOR CORRECTED. SEVERAL FRAME	S FROM ONE OF	THESE FLIGHTS			
	HAVE BEEN FORWARDED FOR YOUR REVIEW.					
	5. THE POSSIBILITY OF USING GIANT SO	ALE EMR MISSIO	NS TO OBTAIN			
•	OPERATIONAL COLOR IMAGERY (DMZ AREA)	HAS ALSO BEEN	SUGGESTED, RV			
er en	REFERENCE E., SAC FORWARDED TO DIA (FOR ACTION) AN	RADC REQUEST			
25X1D	FOR COLOR IMAGERY	BE ACQUIRED AL				
· •	AREA OF NORTH KOREA AND FORWARDED TO	RADC FOR THEIR	R EVALUATION.			
	6. IN ATTEMPTING TO ACQUIRE A BASE O	F OPERATIONAL (COLOR IMACERY			
	BY THE MEANS INDICATED ABOVE, IT IS I	DESIRED THAT TH	HE IMPACT ON THE			
(PRIMARY COLLECTION OB FCTIVES 04/07/07 U	%4- RDP #9B614709A0	 1002D00500&Z-7 V T F 	s		

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BE MINIMIZED. A REVIEW OF COLLECTION REQUIREMENTS IN THE IROL, AS

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OF 31 MARCH 1971, INDICATES A TOTAL OF 1021 TARGETS (INDIVIDUAL TARGETS/ ROUTE SEGMENTS) IN SOUTHEAST ASIA (342/LAOS. 383/NVN. 296/CAMBODIA) FOR WHICH COLOR COVERAGE IS DESIRED ON AN ANNUAL BASIS. IT MIGHT BE THAT THE PROPOSED COLOR GS/GA MISSIONS COULD BE USED TO SATISFY SOME OF THESE REQUIREMENTS AS WELL AS THE RADC REQUEST. DIA ANALYSTS HAVE ALSO RECENTLY SUBMITTED A REQUEST FOR COVERAGE OF U.S. POW CAMPS IN NVN WHICH INCLUDED A NEED TO ANSWER SOME COLOR-RELATED QUESTIONS WHICH GIANT SCALE MISSIONS MIGHT BE ABLE TO SATISFY IN PART. IN ADDITION TO CONSIDERING THE IMPACT ON COLLECTION REQUIREMENTS, THE EXPLOITATION OF COLOR IMAGERY SHOULD BE ACCOMPLISHED USING THE SAME PROCEDURES. AS NEARLY AS POSSIBLE. AS WHEN HANDLING THE USUAL BLACK AND WHITE MISSIONS. THUS, THE PROCESSING, DUPLICATION, AND READOUT OF COLOR GS AND GA MATERIALS SHOULD BE ACCOMPLISHED BY THE REALIZING BOTH AND ADDED UNSCHEDULED COSTS WHICH EVEN A FEW COLOR MISSIONS WOULD INCUR AND AT THE SAME TIME UNDERSTANDING THE VALUE OF SUCH A COLLECTION EFFORT IN SUPPORTING THE CURRENT STUDY OF COLOR MATERIALS, THE NRO HAS INDICATED CONCURRENCE IN PROVIDING THE NECESSARY COLLECTION/DUPLICATING FILMS, CHEMISTRY, PROCESSING INSTRUCTIONS, AND TECHNICAL ASSISTANCE FOR A LIMITED NUMBER OF GIANT/SCALE/GIANT NAIL COLOR MISSIONS. THE NUMBER OF SUCH MISSIONS WHICH CAN BE SUPPORTED WOULD BE DETERMINED BY THE NRO AFTER REVIEW OF THE SCOPE OF THE PROPOSED REQUEST. THE EFFORT COULD BE MINIMIZED

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l.,,	PAGE 7 IN 73799	1,721						
ϵ	TO SOME EXTENT BY PROVID	DING ONLY SELE	CTED RECIPIEN	TS OF GS/GA				
	MATERIALS WITH COLOR DU							
C	RECEIVING BLACK AND WHI							
Ç	7. TO SUMMARIZE, AN INV							
C	WHETHER THE RECENTLY IM	PROVED COLOR F	ILMS WOULD BE	USEFUL IN				
, t	SATISFYING NATIONAL AND THEATER REQUIREMENTS FOR IMAGERY							
C	COLLECTION/EXPLOITATION. TO ASSIST IN THIS EFFORT, IT IS DESIRABLE							
	THAT OPERATIONAL COLOR IMAGERY BE COLLECTED FROM VARIOUS AIRBORNE							
	PROGRAMS TO SUPPLEMENT THE KH COLLECTION ACTIVITIES. 25X1D							
€	TO THIS END, IT IS REQU	ESTED THAT THE	FOLLOWING IN	FORMATION BE				
(PROVIDED TO DIADC-5C BY	SAC/CINCPAC	AS INDICATED)	:				
	A. SAC:							
05X1D	(1) RECOMMEND A	COLOR/B&W FILM	LOAD COMBINA	ATION,				
25×1D	INCLUDING IN AT	LEAST ONE	FOR GIANT SO	CALE	***			
M.M	MISSIONS IN SOUTHEAST A	SIA. INDICATE	THE PROPOSED	TRACK(S) WITH				
	CONSIDERATION TO CURREN	IT COLLECTION F	REQUIREMENTS A	AND RECOMMENDATIO	NS			
25X1D	FROM CINCPAC/OTHER USER	s. INCLUDE FOO	TAGE FIGURES	FOR THE AMOUNT				
	OF FILM REQUIRED) •						
· (E)	(2) RECOMMEND PR	OPOSED TRACKS	s) FOR GIANT	VAIL MISSIONS TO				
25 <u>X</u> 1D	BE FLOWN USING F	FILM WITH CONS	IDERATION TO	CURRENT COLLECTIO	N			
	REQUIREMENTS AND RECOMM	IENDATIONS FROM	M CINCPAC/OTH	ER USERS. INCLUDE	•			
Š.	FOOTAGE FIGURES FOR THE	AMOUNT OF	FILM REQ	UIRED.	25X1D			
Ę	(3) AFFGGWEGFERRE	:1685-02004804/07 ^I !-c	ሻል ^ተ ናያውትን ያቼ <mark>ያ</mark> ሻ ያቒያት	1006200056027-7DING				

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ZØ/\	IN AT LEAST ONE FOR GIANT SCALE LIM MADE	NC
•	INDICATE THE PROPOSED TRACK(S) WITH CONSIDERATE AND RECOMMENDATIONS	
	REQUIREMENTS, THE RADC REQUEST (REFERENCE E.), AND RECOMMENDATIONS	
25X1	PROMICINCPAC/OTHER USERS, INCLUDE FOOTAGE FIGURES FOR THE AMOUNT	
	OR OTHER COLOR FILMS REQUIRED.	
•	(4) ADVISE AS TO CAPABILITY OF THE GS TECH OBJECTIVE	
25 X 1		
4	CAMERA 10 HOOL: 1	
•	B. CINCPAC: (1) RECOMMEND TO SAC ANY SPECIFIC TARGET AREAS FOR	
Y Y	(1) RECOMMEND TO SAC ANT STEET BE COLLECTED BY GS OR	
<	WHICH COLOR COVERAGE IS DESIRED THAT MIGHT BE COLLECTED BY GS OR	
	GA MISSIONS IN SEA OR BY EMR (GS) MISSIONS IN KOREA.	
•	GA MISSIONS IN SEA STO WHEN COLOR PROCESSING/DUPING CAPABILITY (2) ADVISE AS TO WHEN COLOR PROCESSING/DUPING CAPABILITY	
25X ₁	C DE AVAILABLE AT THE	
	ADVISE AS TO THE NUMBER OF FILM DUPES OF GS OR GR	
4	TOUR WALCH WOULD BE REQUIRED FOR CINCPAC UNITS IN COLOR.	
. 4	DE VERT TO A MINIMUM TO REDUCE THE COST OF STEPART	
•	THIS SHOULD BE REFI TO A TENDENT THIS SHOULD BE REFI TO A TENDENT THE BOOK WOULD RECEIVE	
	DUPE MATERIALS AND CHEMISIRIA NELLAR GREEN RECORDA	
	BLACK AND WHITE COPIES MADE FROM THE GREEN RECORD.	
	8. THE OUTCOME OF THESE ACTIONS COULD HAVE CONSIDERABLE IMPACT	
	ON FUTURE IMAGERY COLLECTION/EXPLOITATION ACTIVITIES IN BOTH DOD	
	AND NATIONAL PROGRAMS. YOUR SUPPORT IN THIS EFFORT WOULD BE	
	GREATLY APPRECIATED.	
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